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U. S. Department of Agriculture
FOREST SERVICE
GIFFORD PINCHOT, FORESTER

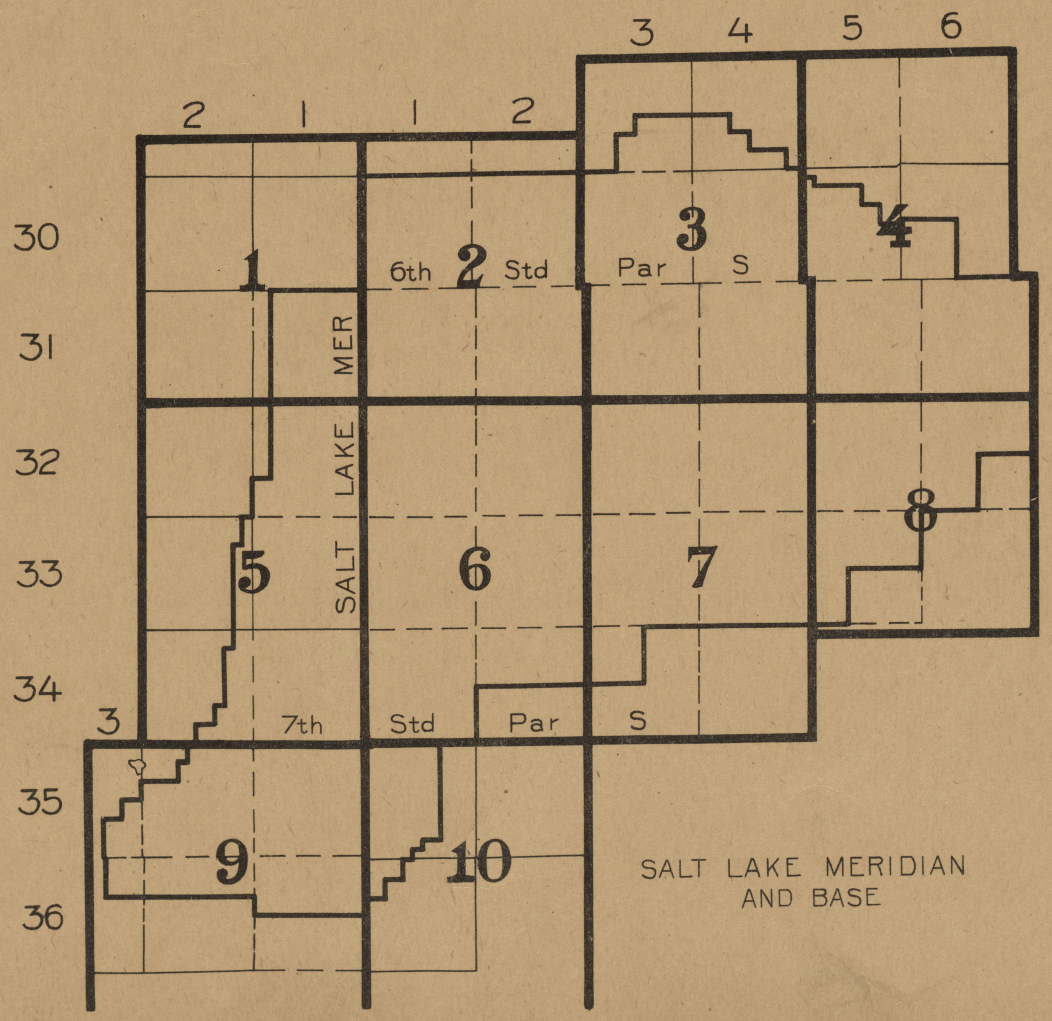
FOREST ATLAS

OF THE

NATIONAL FORESTS OF THE UNITED STATES

POWELL

FOLIO



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COMPILED AND PRINTED BY THE U. S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

FOREST ATLAS LEGEND PAGE

GENERAL CLASSIFICATION

Commercial Timber

🟩	Less than 2,000 B.F. per acre
🟩	2,000 to 5,000 B.F. per acre
🟩	5,000 to 10,000 B.F. per acre
🟩	10,000 to 25,000 B.F. per acre
🟫	25,000 to 50,000 B.F. per acre
🟩	Woodland, cordwood, poles, etc.
🟫	Chaparral or brush
🟧	Sagebrush
🟨	Grassland, parks, etc.
⬜	Barren, above timber line, etc.
⁘	Desert
▥	Burn, not restocking
▥	Burn, scattering trees or restocking
▥	Burn, forest cover established (The color indicates the stand)
▨	Windfall
⁘	Bug-killed or diseased
🟥	Old cutting, less than ⅓ of the merchantable timber removed
▨	Old cutting, ⅓ to ⅔ of the merchantable timber removed
▨	Old cutting, ⅔ to all of the merchantable timber removed
▧	Timber sales, less than ⅓ of the merchantable timber removed
▩	Timber sales, ⅓ to ⅔ of the merchantable timber removed
▩	Timber sales, ⅔ to all of the merchantable timber removed
🟥	Cultivated
▤	Irrigated

TITLE

Ⓐ	State lands, approved
○	State lands, not approved
I	Indian allotments
L	Lieu selections
PB	Pending base
RP	Railway lands, patented
R	Railway lands, not patented
HP	Homesteads, patented
H	Homesteads, not patented
CE	Cash entry
T	Timber and stone
C	Coal entry
D	Desert entry
TE	Townsite entry
🟧	Mineral lode claims, patented
P	Mineral placer claims, patented
M	Mineral mill site, patented
MC	Mineral classification

GRAZING MAP LEGEND

🇺🇸	Supervisor's headquarters
━	Supervisor's division
━	Ranger's division
═	Grazing districts
⬜	Open for all stock
🟫	Open for cattle and horses only
🟨	Open for sheep and goats only
🟧	Closed for all stock
▨	Lambing grounds
🟫	Driveways for stock
↩	Corral

CONVENTIONAL SIGNS

— — —	Block line
- - - - - -	Compartment line, sales
··········	Boundary line for all other classifications
—·—·—	Grant line
—+—+—+—	Telegraph line
—+—+—+—	Telephone line
—o—o—o—	Power line
|——|——|	Pipe line
══ ══ ══	Aqueduct
┼┼┼┼┼┼┼┼	Railroad
═════	Tramway
—~—~—	Wire rope conveyor
═══════	Wagon road
= = = = = = =	Secondary or private road
- - - - - - -	Pack trail
-- ---- ---	Foot trail
═══════	Fire line
—×—×—×—	Fence
— — — —	Ditch
—→—→—	Flume
–→– – – –→–	Slide
⤳ ⤳ ~	Log driving route
>>>>>>>>	Rollway
╪	Skidway
═╪═	Bridge
═●═	Ferry
═══	Ford
▤	Experimental nursery (area)
©	Experimental nursery (location)
▤	Permanent nursery (area)
◎	Permanent nursery (location)
⊥	Forested by natural seeding
⊥	Forested by artificial seeding
⊥	Forested by planting

For planting maps

◉	Location of Silvical experiments
↩	Corral
🇺🇸	Supervisor's headquarters
▲	Ranger's headquarters, no house
▲	Ranger's headquarters, with house
▬	House
▬	Railroad station
▬	Stage station
■	Power station
■	Hotel
■	Store
■	School
✚	Church
⌑	Cemetery
■TEL.	Telegraph office
■TLP.	Telephone office
⌂	Cabin
⊠	Dairy
⌂	Logging camp
⌓	Sawmill, portable
◓	Sawmill, stationary
⋎	Grist mill
⋎◓	Grist and sawmill
▲▲▲	Apiary
✕	Windmill
⊡	Well
↗	Quarry or gravel pit
⚒	Mine location, unpatented
◩	Mine shaft
△	Triangulation station
×B.M. 1232	Bench mark.

ALPHA-NUMERIC SYMBOLS FOR WESTERN COMMERCIAL TREE SPECIES

These will be used on maps, where limited space makes necessary, in the following manner:

D129=Pseudotsuga taxifolia, average stand 29,000 B.M. per acre

Q61$\underline{\mathbf{2}}$=Quercus agrifolia, average stand 12 cords per acre

T6$\overline{\mathbf{7}}$=Thuja plicata, average stand 7 tele-poles per acre

PO	Pinus contorta (murrayana)	Lodgepole Pine
I	flexilis	Limber Pine
2	monticola	Western White Pine
3	lambertiana	Sugar Pine
4	ponderosa	Yellow Pine
5	coulteri	Coulter Pine
6	sabiniana	Gray Pine
7	jeffreyi	Jeffrey Pine
8	radiata	Monterey Pine
9	attenuata	Knobcone Pine
B2	strobiformis	Mexican White Pine
5	albicaulis	White-bark Pine
6	torreyana	Torrey Pine
7	edulis	Pinon
9	monophylla	Single-leaf Pinon
AI	Abies magnifica	Magnificent Fir
2	concolor	White Fir
3	shastensis	Shasta Fir
4	nobilis	Noble Fir
5	lasiocarpa	Alpine Fir
6	grandis	Lowland Fir
7	arizonica	Arizona Cork Fir
8	amabilis	Lovely Fir
9	venusta	Bristle-cone Fir
S2	Picea engelmanni	Engelmann Spruce
3	parryana	Blue Spruce
5	breweriana	Weeping Spruce
6	sitchensis	Sitka Spruce
DI	Pseudotsuga taxifolia	Douglas Fir (Red)
5	macrocarpa	Bigcone Spruce
H5	Tsuga mertensiana	Black Hemlock
6	heterophylla	Western Hemlock
RI	Sequoia sempervirens	Redwood
5	washingtoniana	Bigtree
C5	Chamæcyparis nootkatensis	Yellow Cedar
6	lawsoniana	Port Orford Cedar
T6	Thuja plicata	Red Cedar
L5	Larix lyallii	Alpine Larch
7	occidentalis	Western Larch
05	Libocedrus decurrens	Incense Cedar
K5	Cupressus macnabiana	Macnab Cypress
6	macrocarpa	Monterey Cypress
7	arizonica	Arizona Cypress
8	goveniana	Gowen Cypress
JI	Juniperus utahensis	Utah Juniper
2	pachyphlœa	Alligator Juniper
4	occidentalis	Western Juniper
5	sabinoides	Mountain Juniper
7	californica	California Juniper
9	monosperma	One-seed Juniper
QO	Quercus chrysolepis	Canyon Live Oak
I	californica	California Black Oak
2	lobata	California White Oak
3	douglasii	Blue Oak
4	garryana	Pacific Post Oak
5	wislizeni	Highland Oak
6	agrifolia	California Live Oak
7	gambelii	Gambel Oak
8	densiflora	California Tanbark Oak
9	engelmanni	Engelmann Oak
M2	Acer macrophyllum	Oregon Maple
5	glabrum	Dwarf Maple
9	negundo californicum	California Boxelder
WO	Populus trichocarpa	Black Cottonwood
2	fremontii	Fremont Cottonwood
5	tremuloides	Aspen
7	angustifolia	Narrowleaf Cottonwood
FI	Fraxinus pennsylvanica	Red Ash
6	oregona	Oregon Ash
8	lanceolata	Green Ash
UI	Prunus demissa	Western Choke Cherry
Y7	Platanus wrightii	Arizona Sycamore
8	racemosa	California Sycamore
XO	Salix lasiandra	Western Black Willow
2	sessilifolia	Silverleaf Willow
9	amygdaloides	Almondleaf Willow

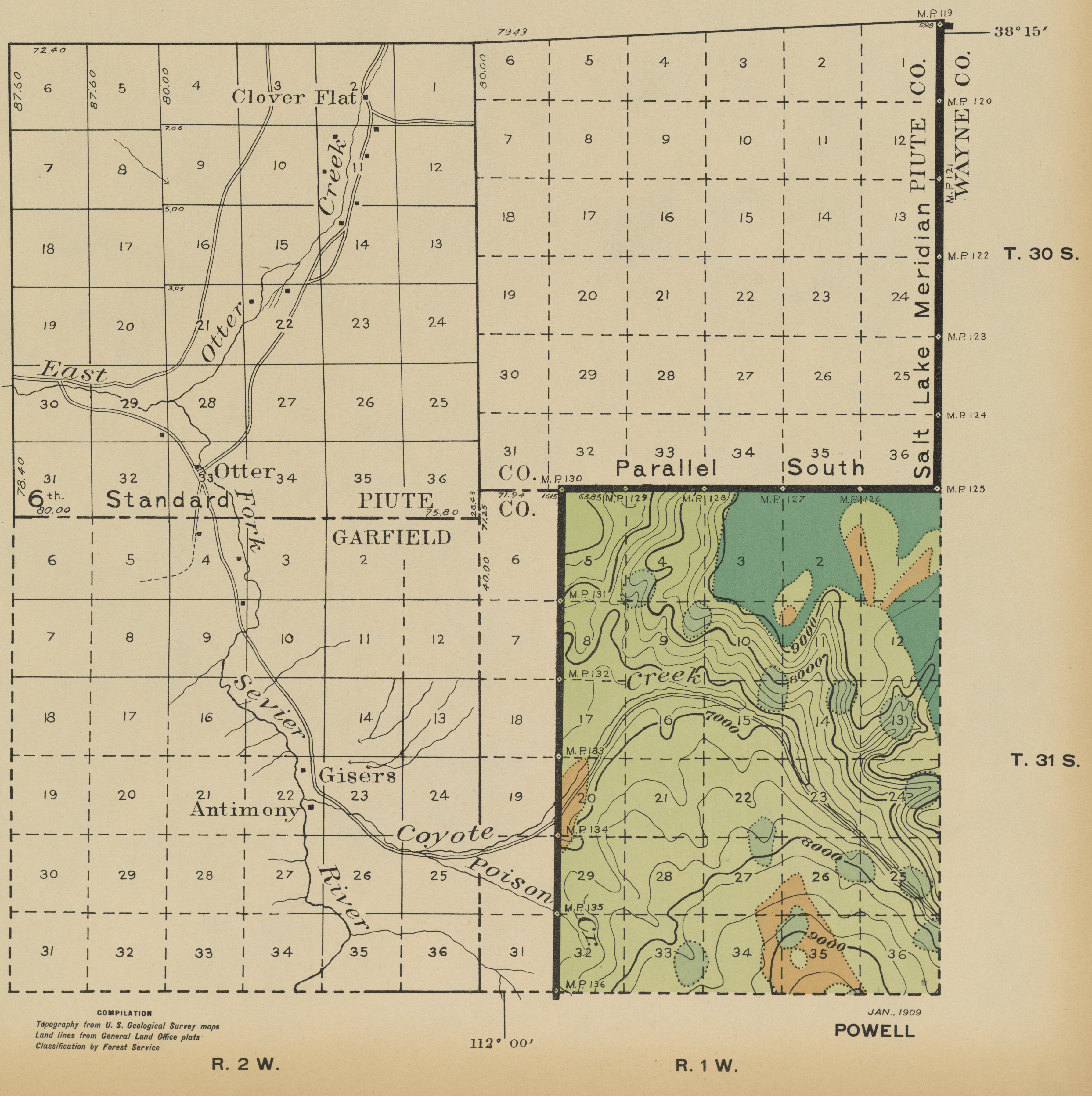
U.S. Improvements made by the United States are marked U.S.

Proposed improvements are shown by the appropriate sign and designated by "Proposed" on the margin of the maps

Abandoned improvements are shown by zeros O O O O and designated on the margin of the maps

Additional buildings may be shown by using the house sign (▬) with a written designation; thus:

▬ Slaughter house
▬ Livery barn
▬ Sanatarium
etc., etc.



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Land lines from General Land Office plats
Classification by Forest Service

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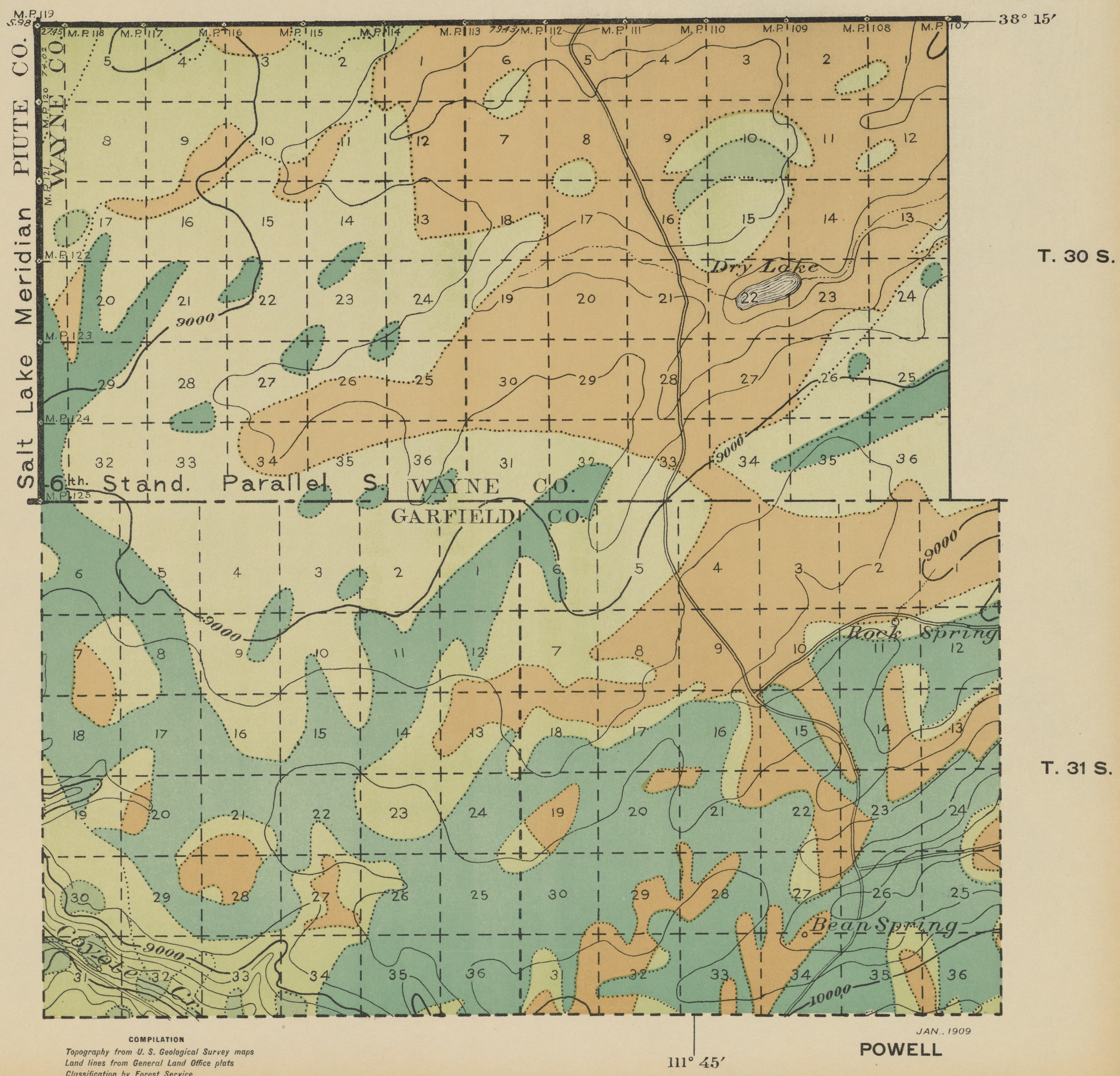

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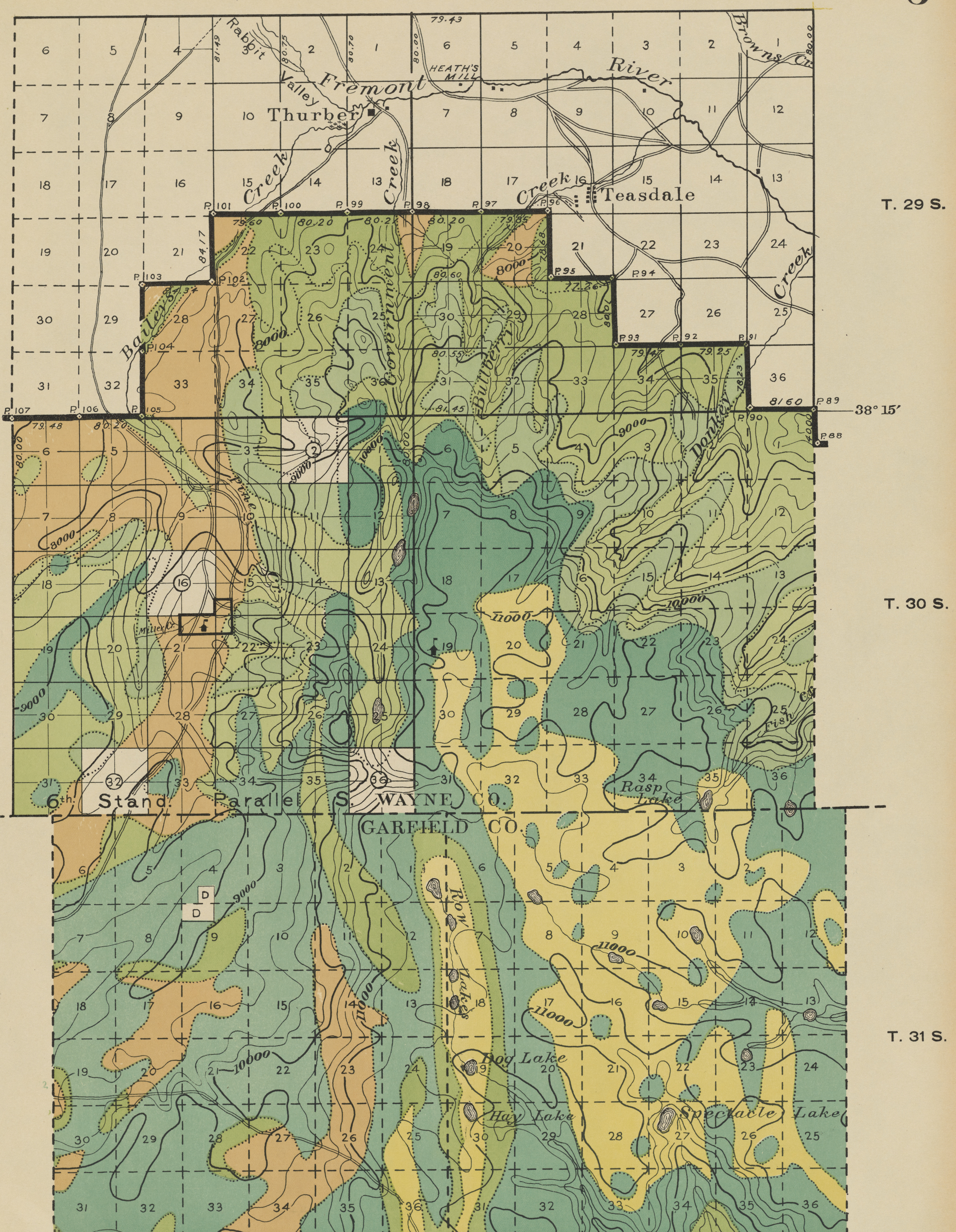

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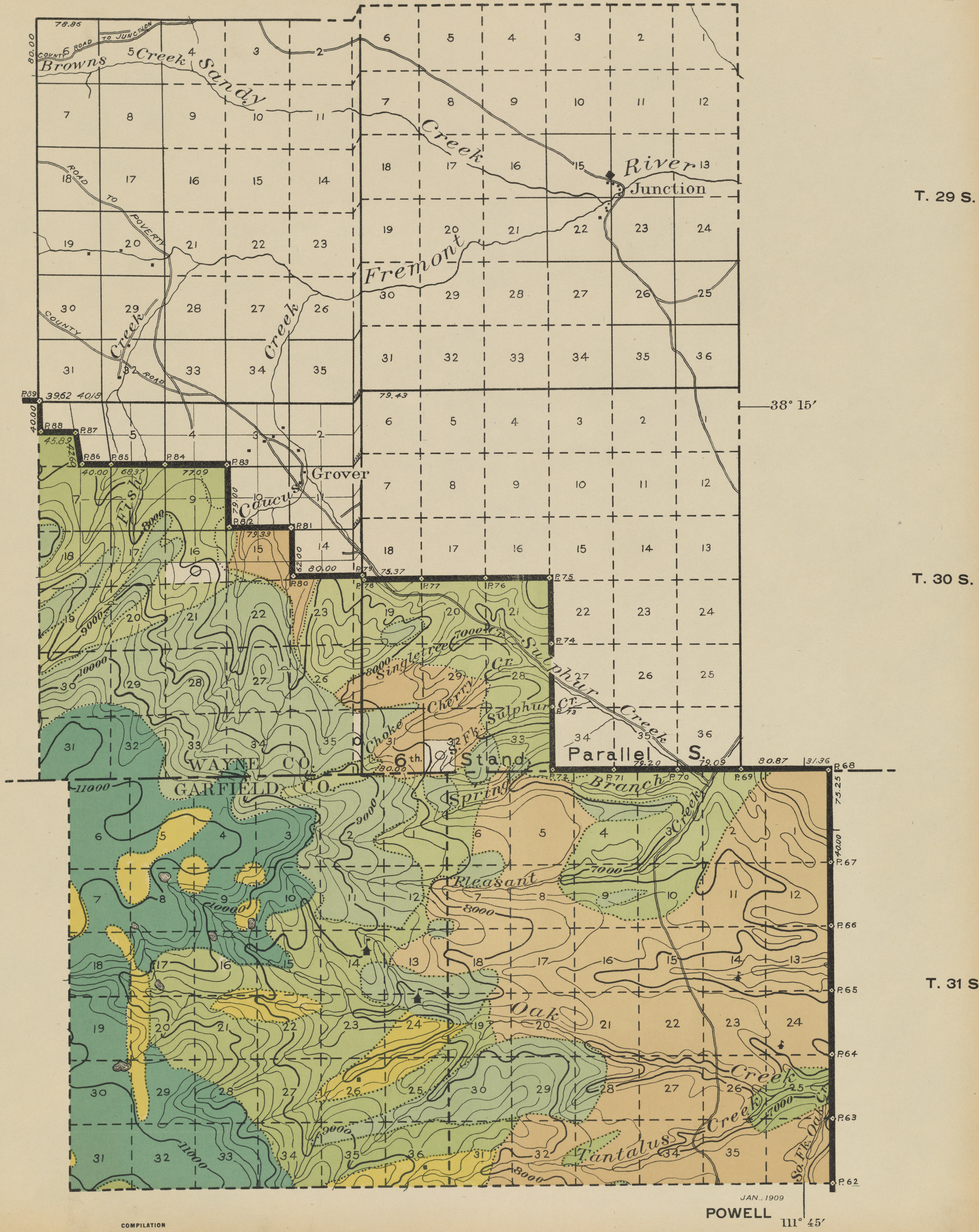

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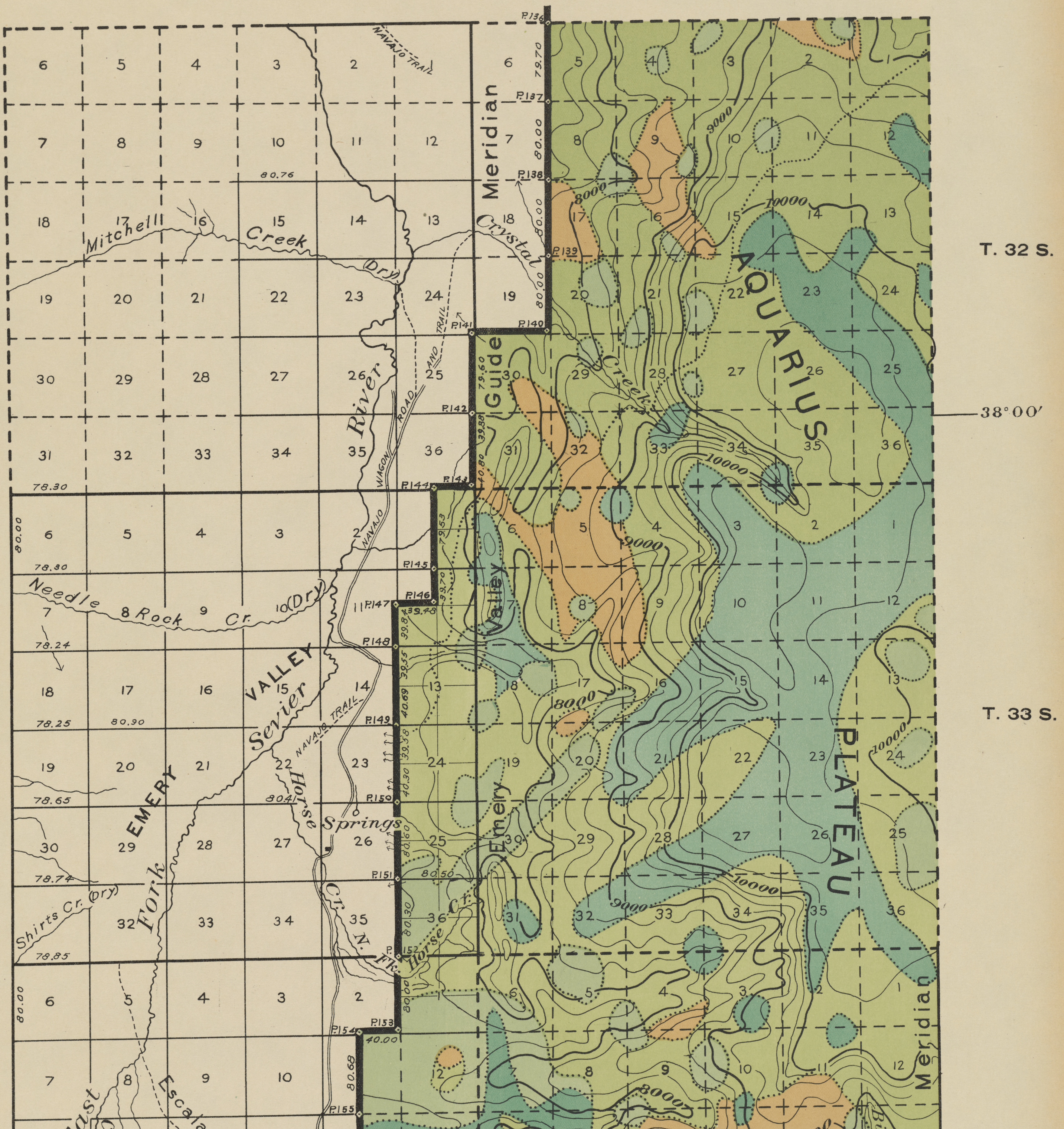

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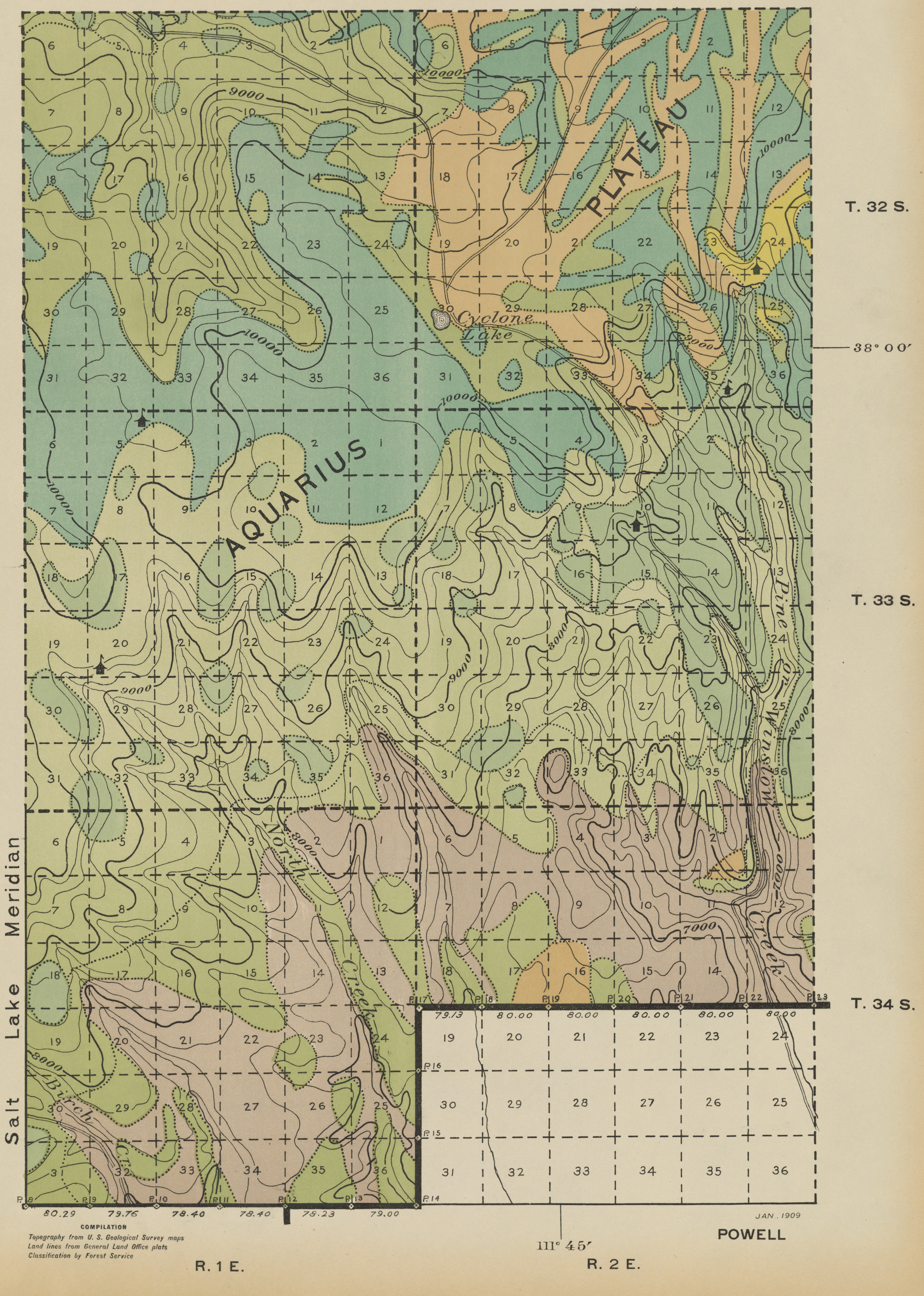

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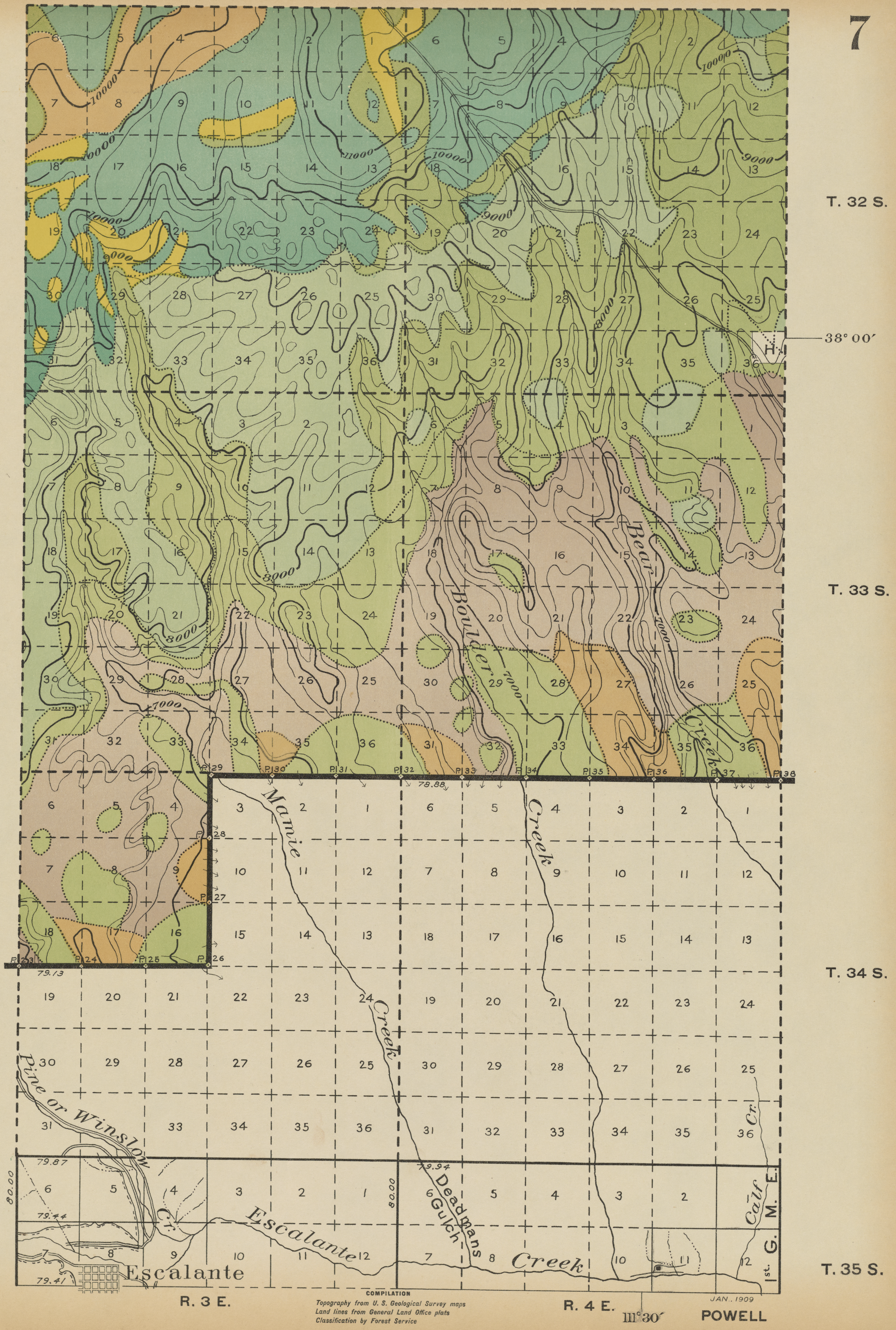

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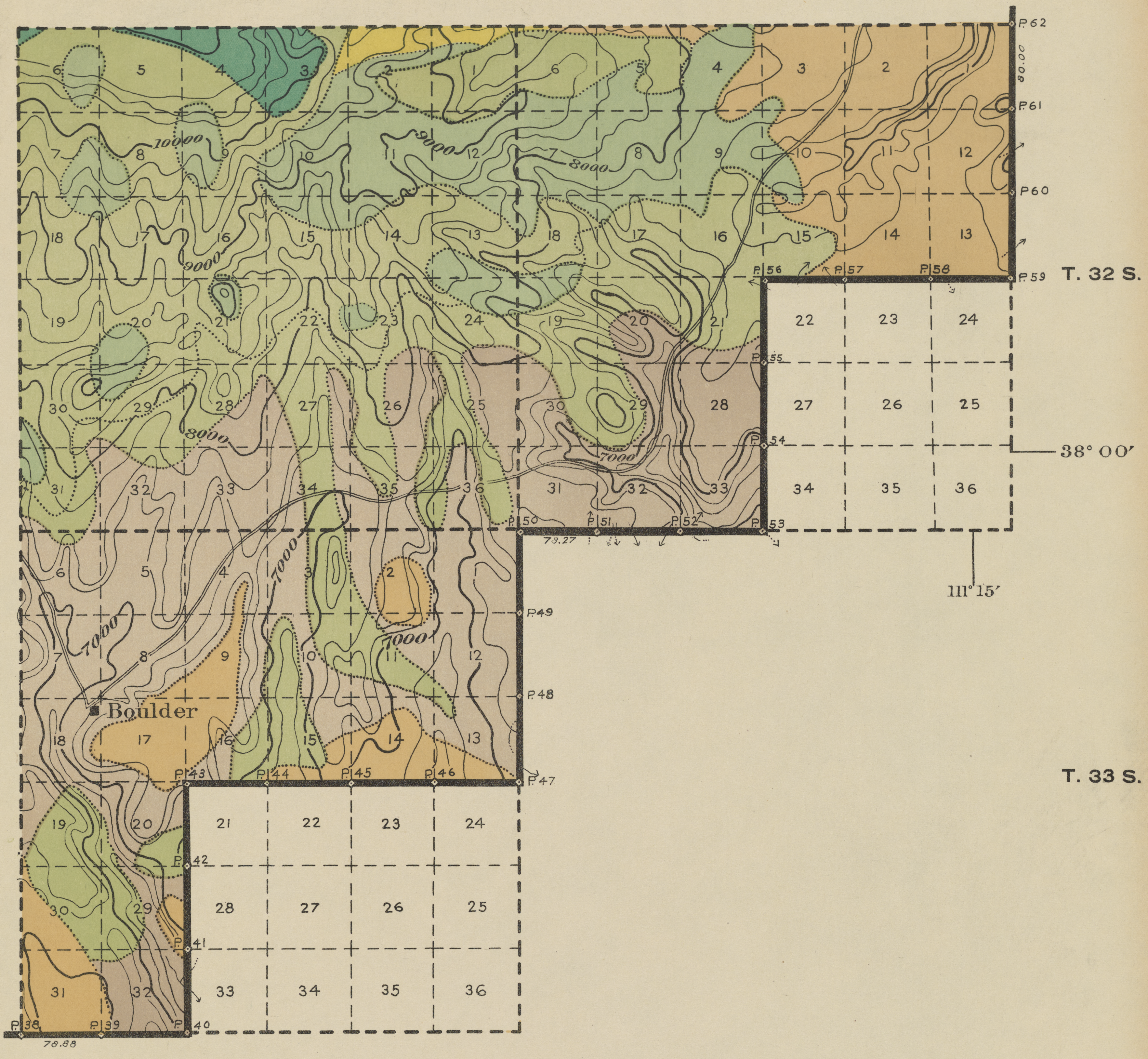

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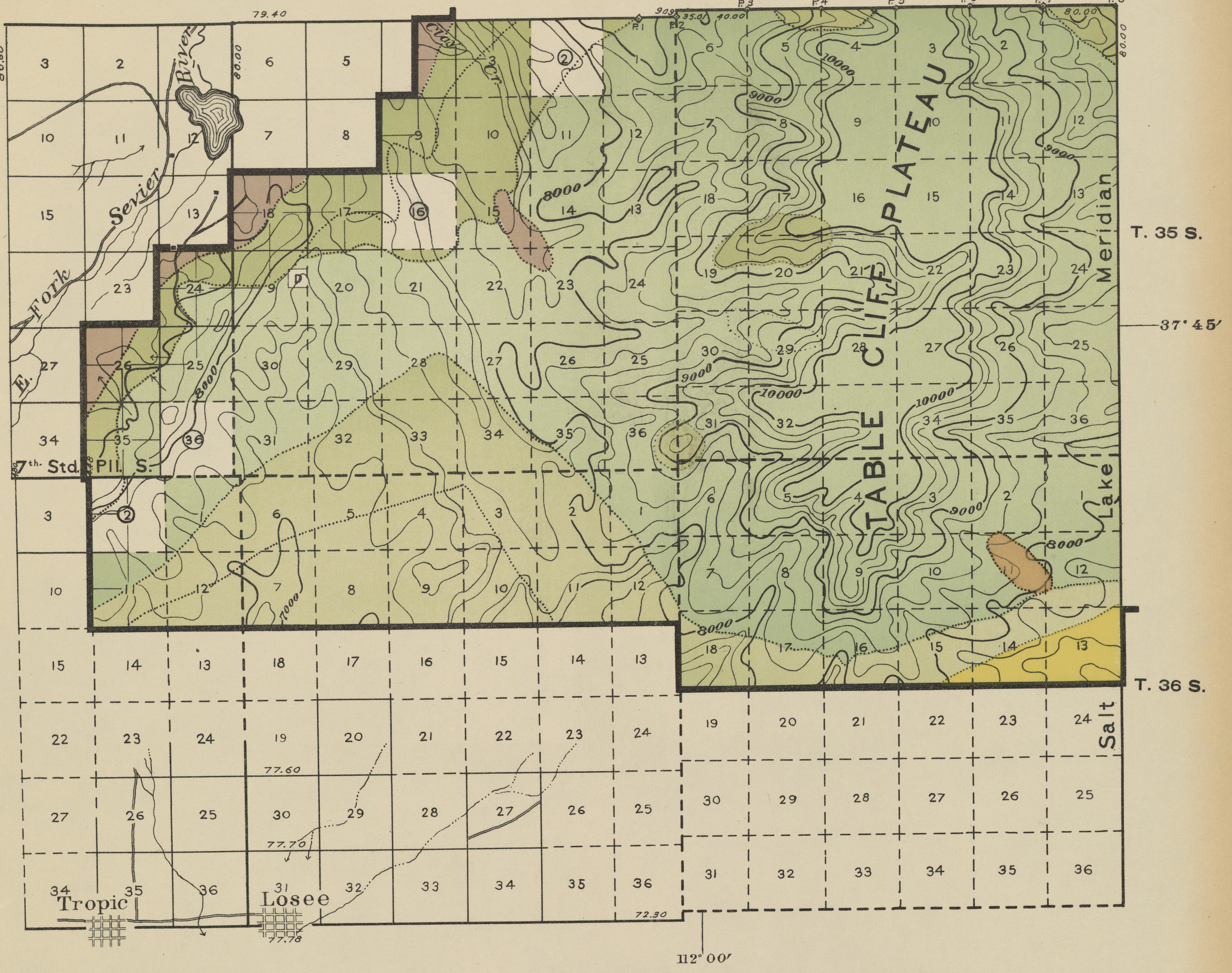

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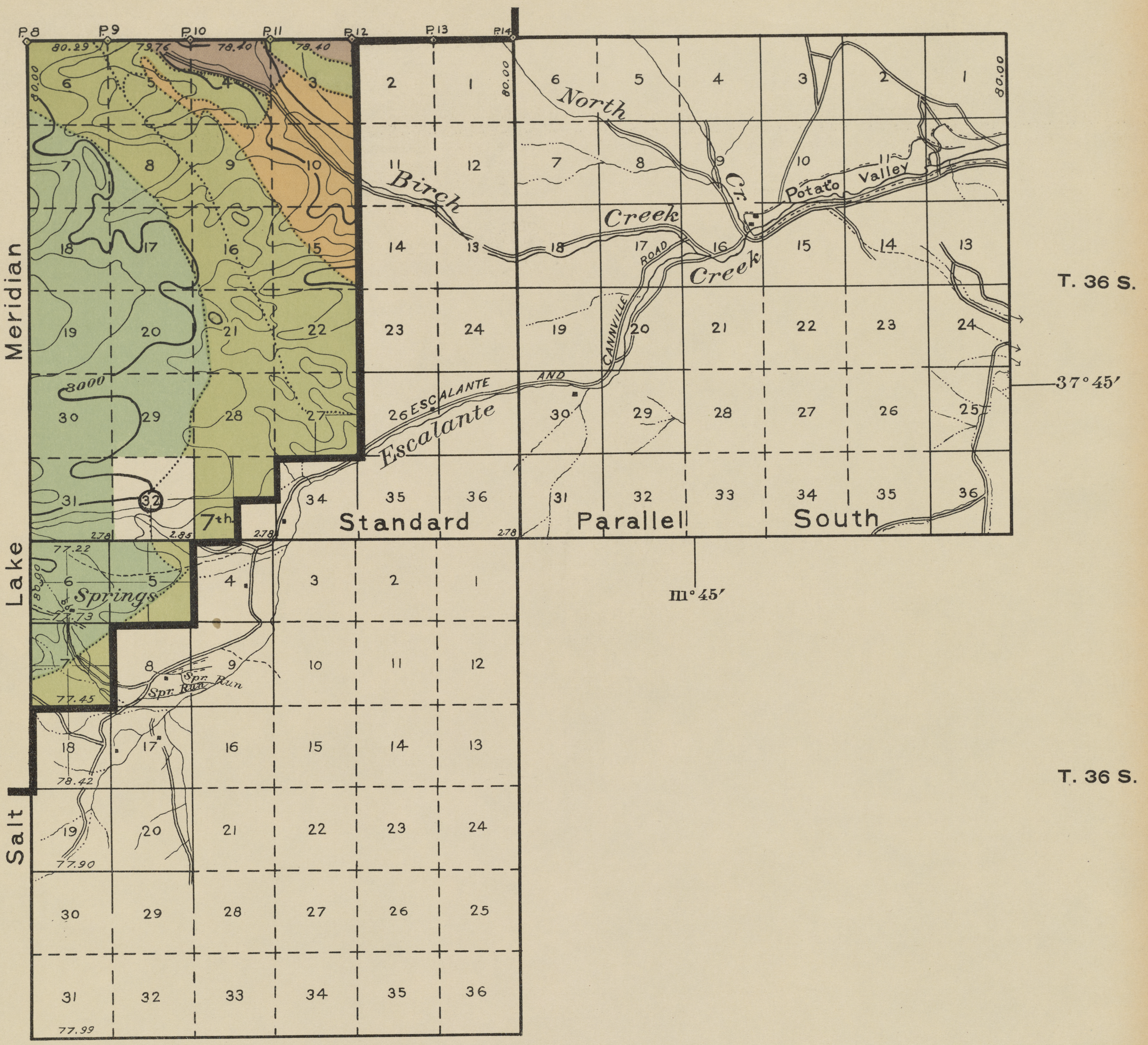

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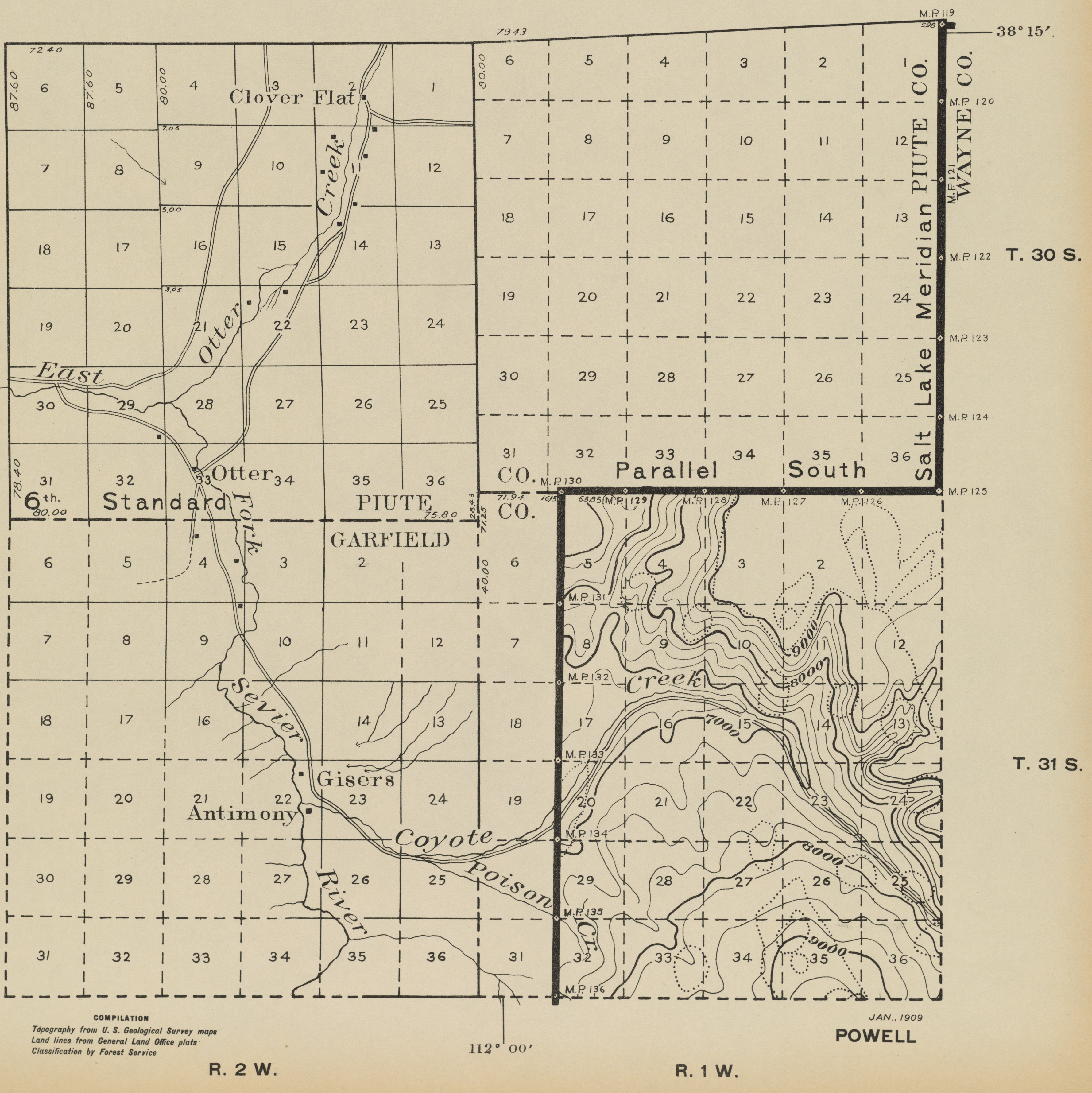

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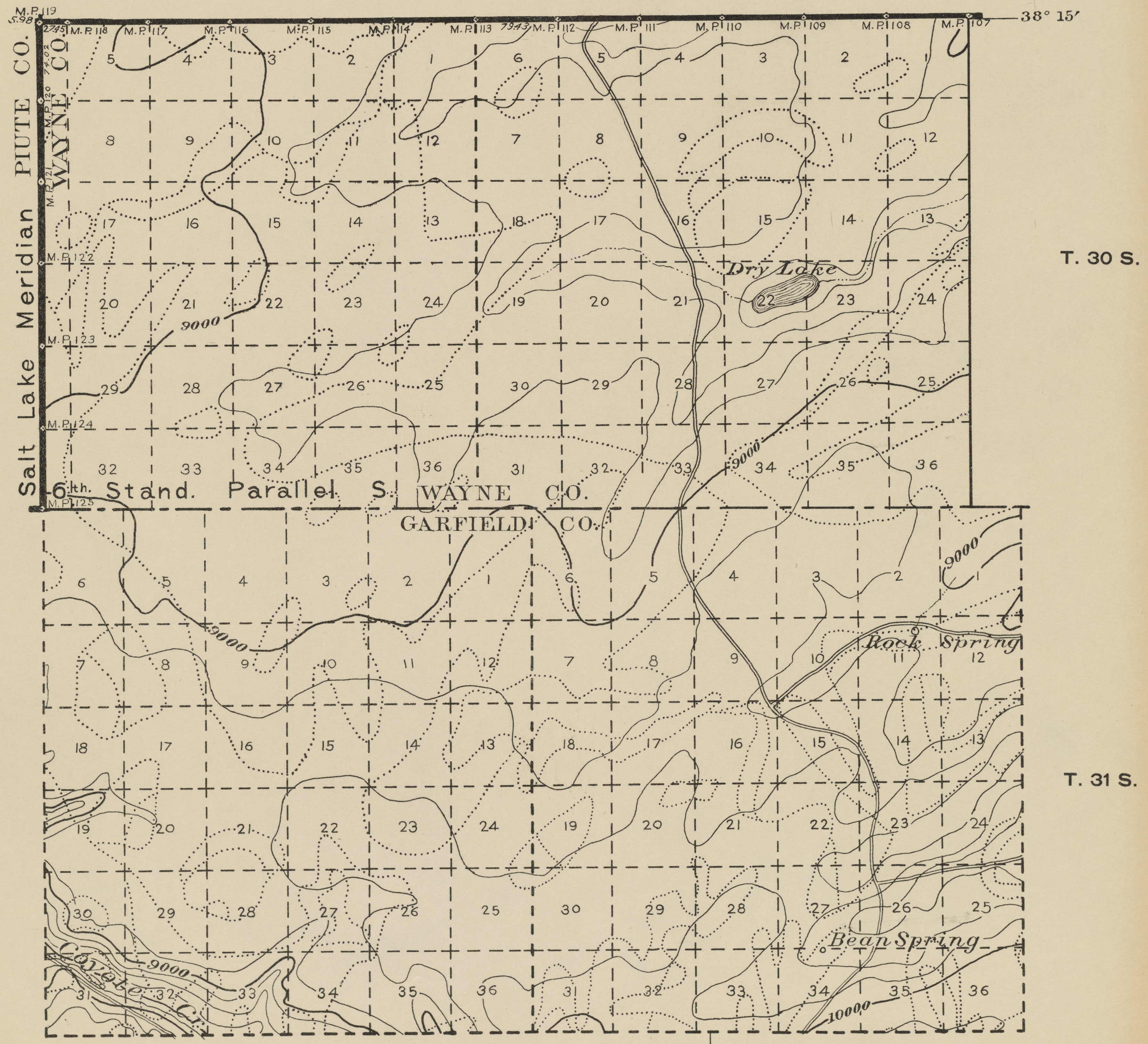

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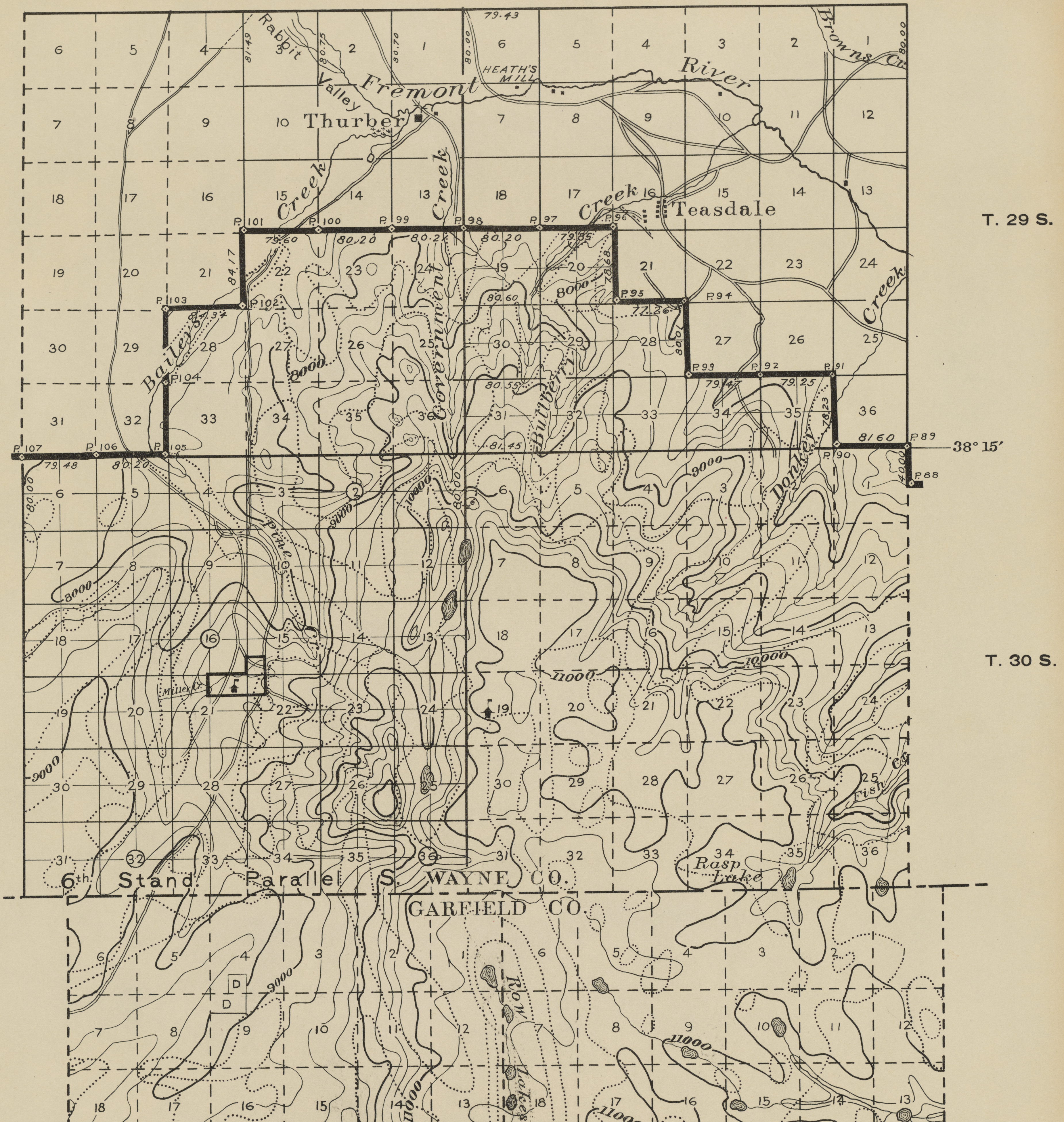

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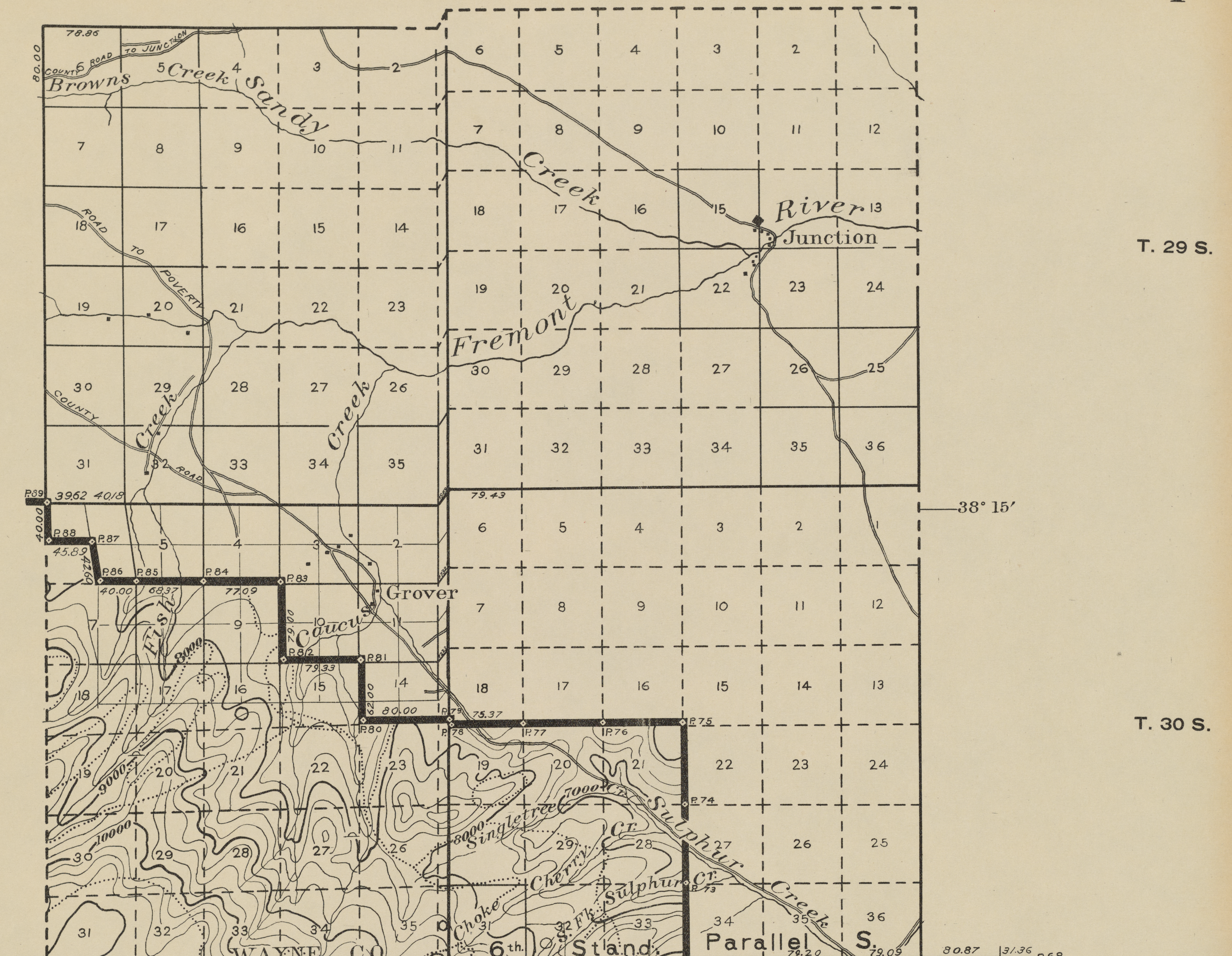

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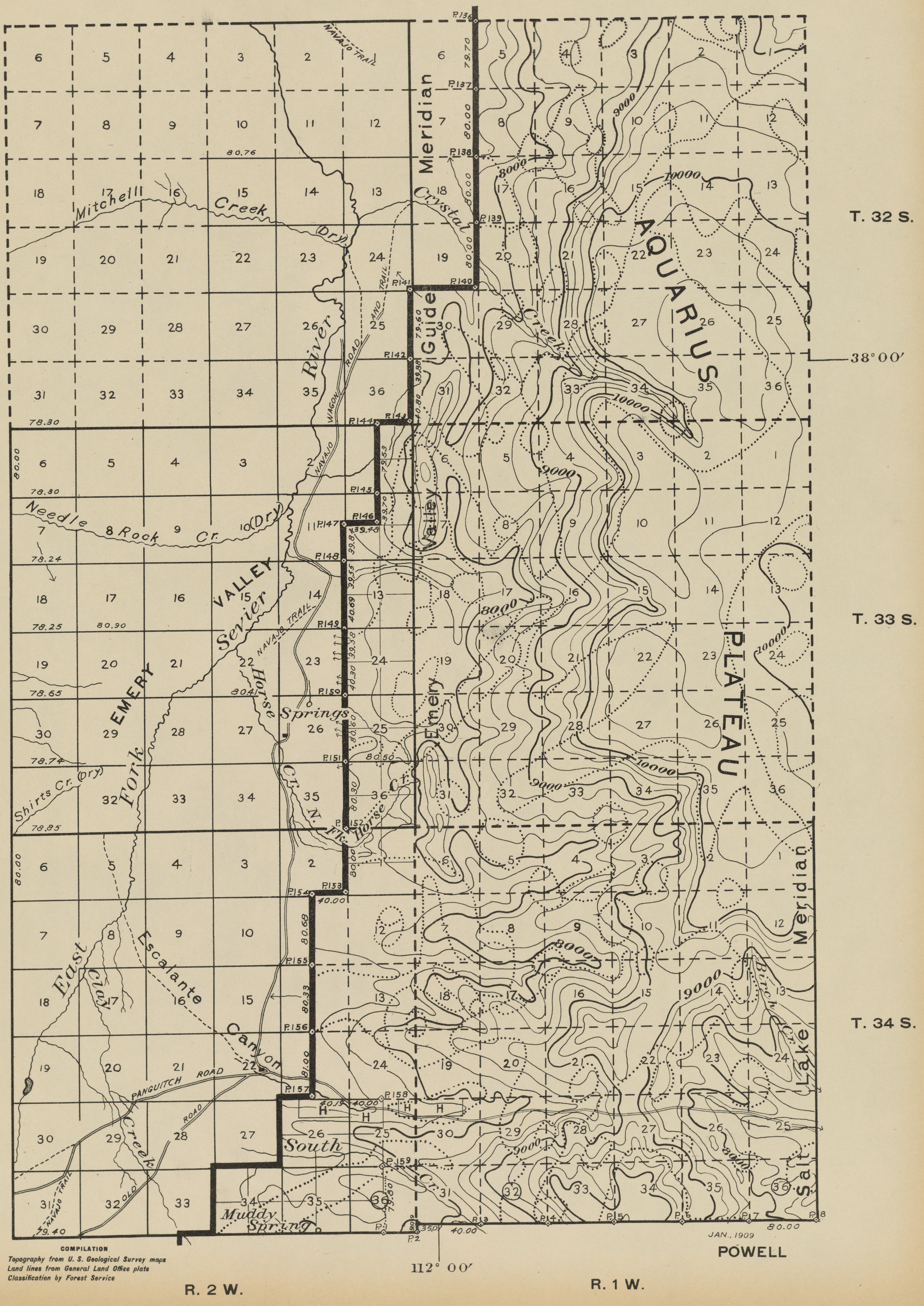

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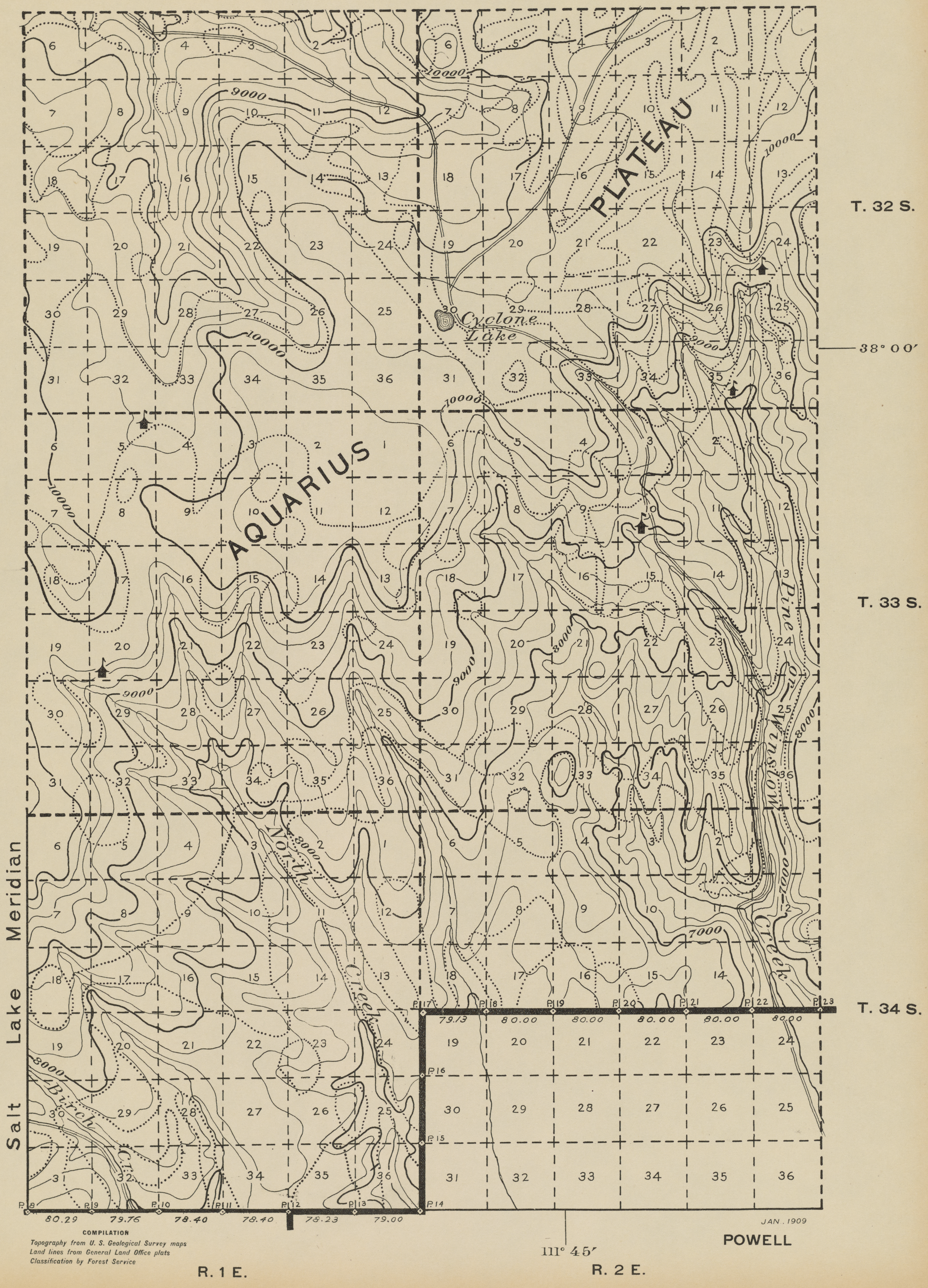

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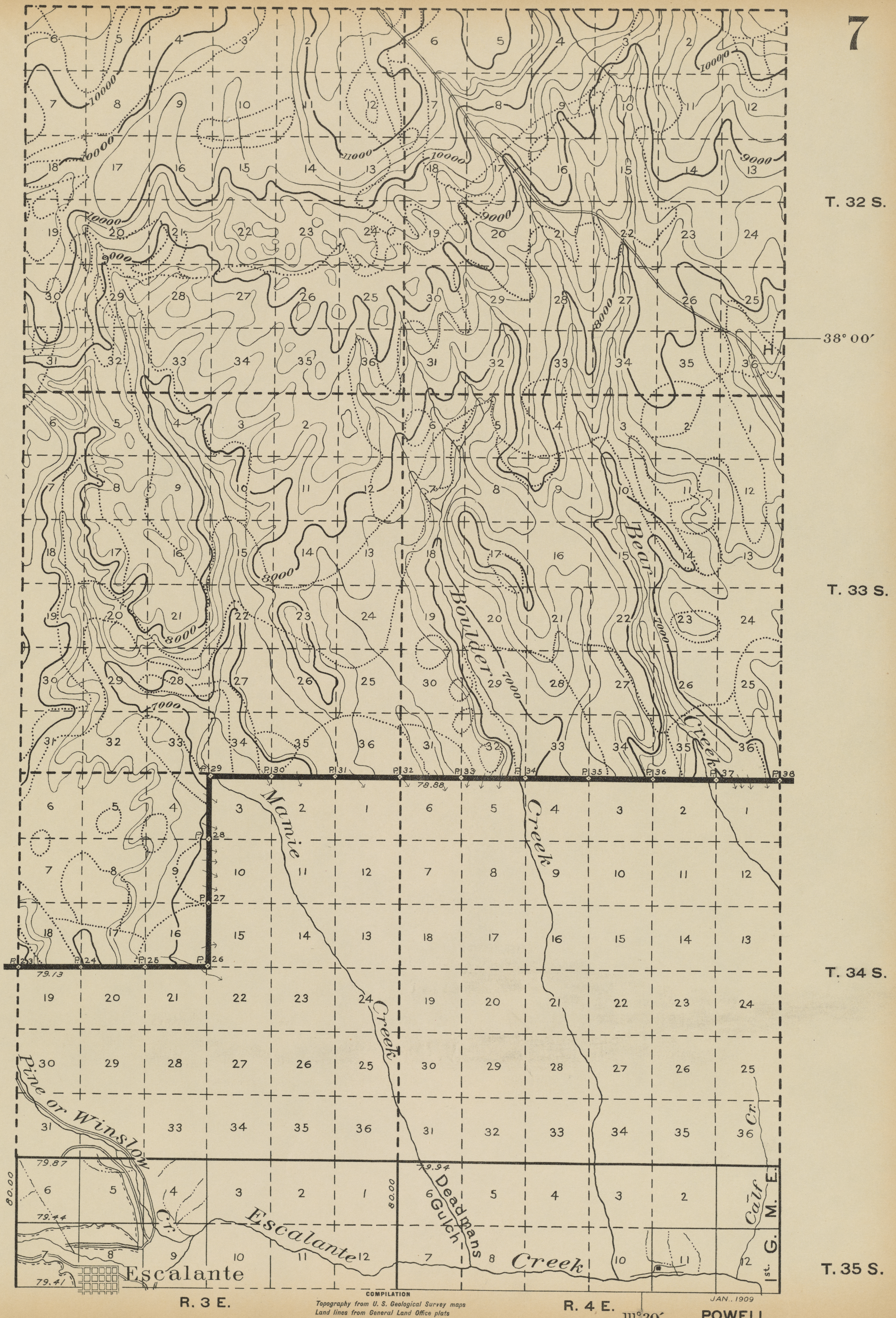

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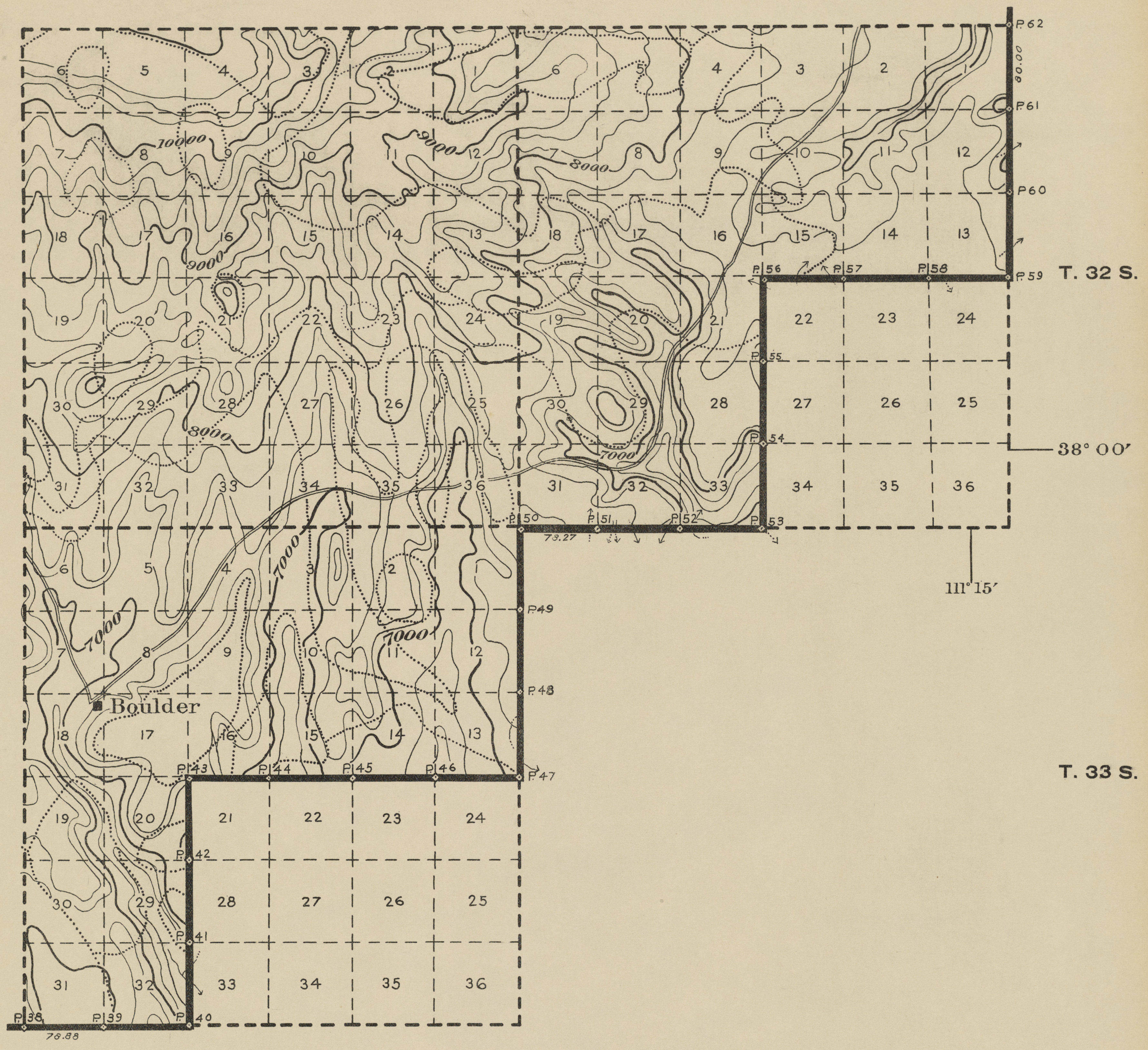

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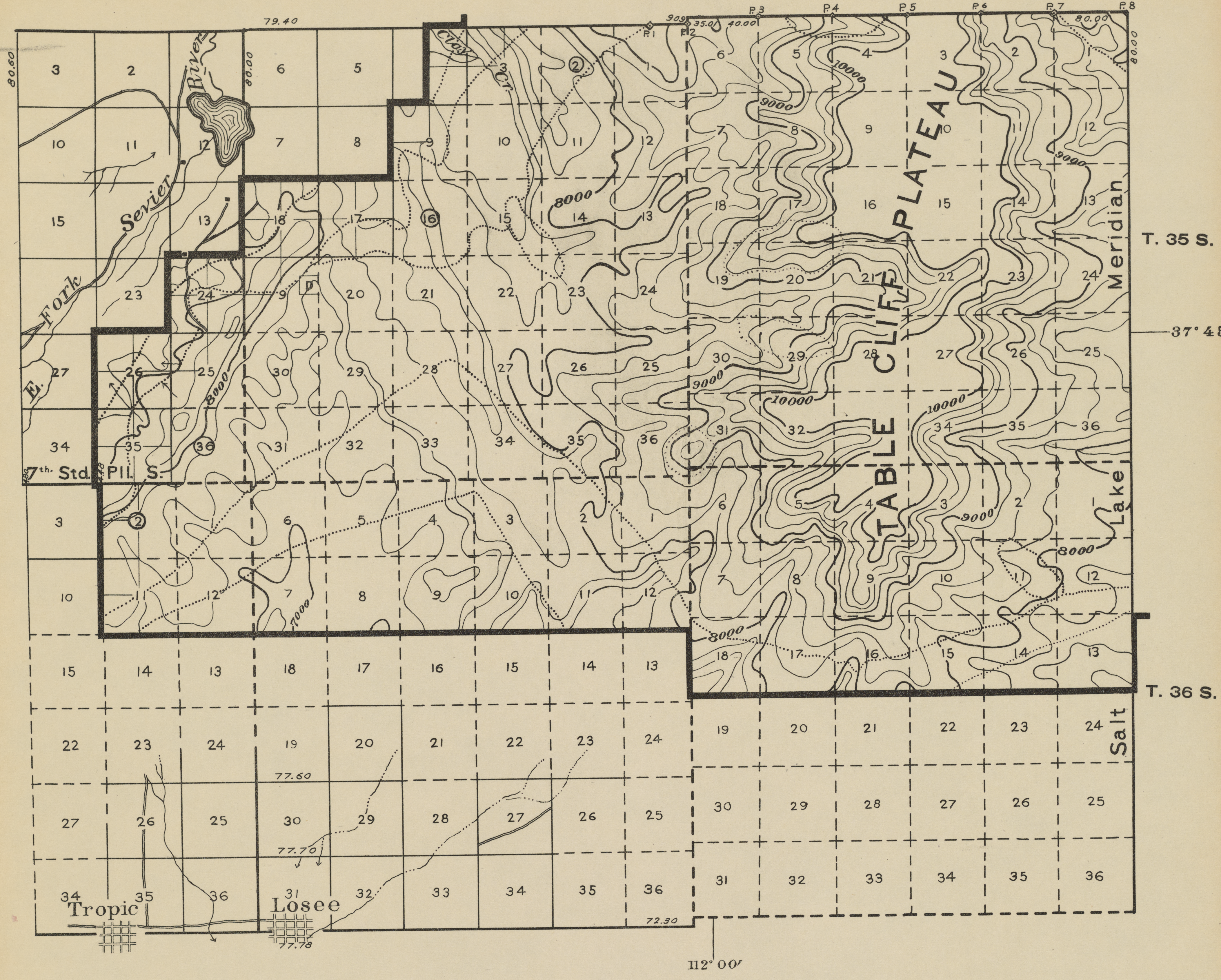

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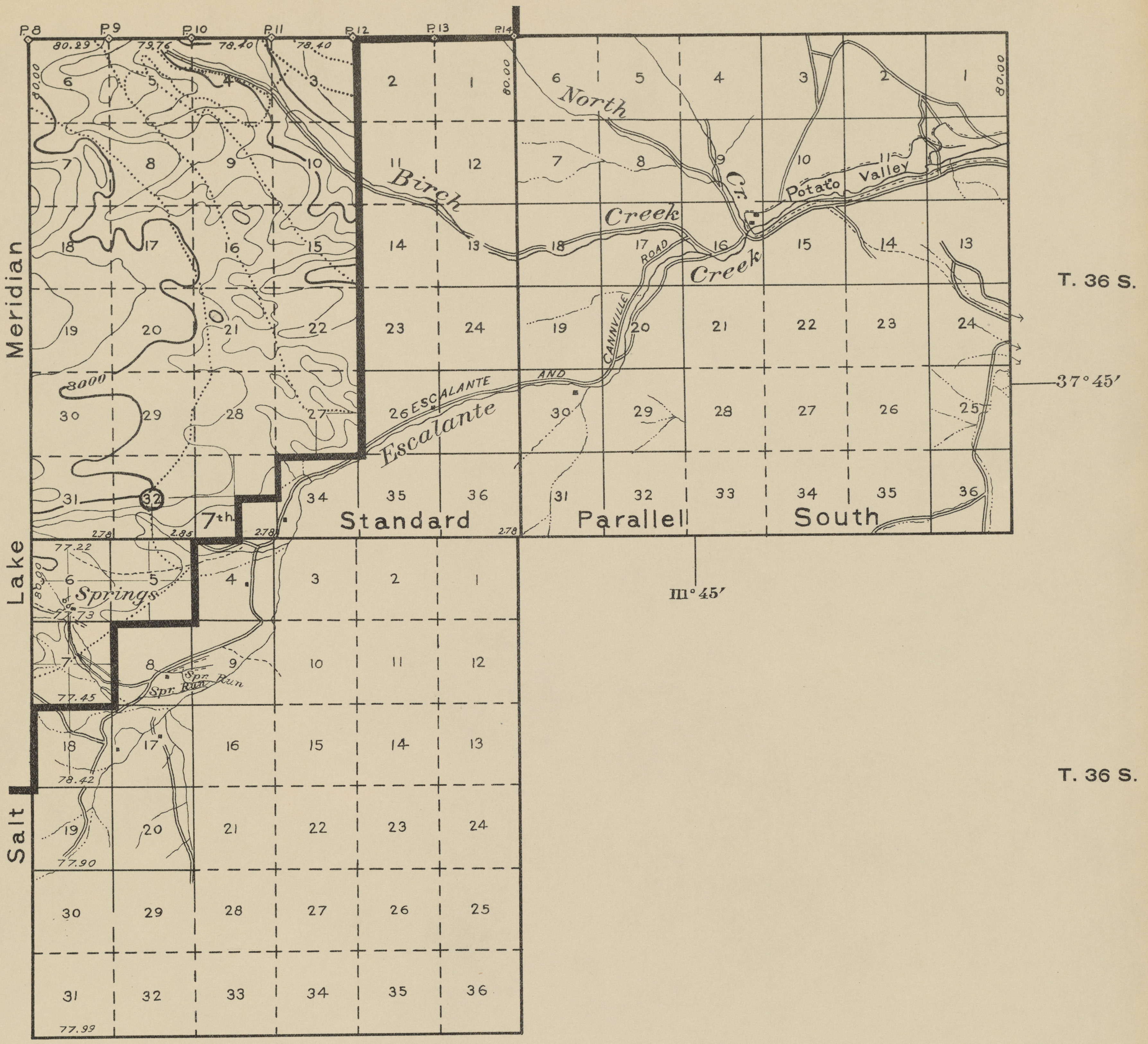

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